

Results for the 10'x200' circular tank with ramp:

Circular tank:

Tank Diameter = 200 ft

Tank Wall thickness = 12 in (actual)

Tank Height = 10 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #4 rebar Steel shown in table must be placed in each face of the wall		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	12	3' 3"
5	10	4' 1"
6	10	4' 11"
7	10	5' 9"
8	10	6' 7"
9	8	7' 3"
10	8	7' 11"
11	8	8' 7"
12	8	9' 3"
13	6	9' 9"

Vertical Steel = #4 @ 12" O.C. in each face.


Dowels "L" bars from tank to footing shall be #4 @ 12" O.C. at the interior mat of steel. 26" vertical leg, 8" horizontal leg

In the tank wall, at the corner of the notch for the ramp add:

3-#6 bars x 11'-10" long @ 6" O.C. vertically in each mat of steel (6 total)

3-#6 bars x 20' long @ 6" O.C. horizontally in each mat of steel (6 total)

4-#6 bars x 6 feet long @ 6" O.C. at a 45 degree angle in each mat of steel (8 total).

 <i>Natural Resources Conservation Services United States Department of Agriculture</i>	<div>_____ County, PA</div> <div>ROUND TANK W/RAMP</div> <div>DETAIL Page 6.18</div>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
		Approved _____